

## LISTING OF CLAIMS

1. (currently amended) A matrix addressed display device comprising:

a cathode means;

grid electrode means comprising a first plurality of parallel conductors comprising more than one row of parallel row conductors and a second plurality of parallel conductors comprising more than one column of parallel column conductors arranged orthogonally to the row conductors; and

temperature sensing means for sensing temperature of said device;

characterised in that the display device further comprises:

means for dynamically determining cut-off correction information based on temperature sensed by said temperature sensing means and for providing cut-off correction information to only one of said first plurality of parallel conductors or said second plurality of parallel conductors.

2. (original) A display device as claimed in claim 1 further comprising means for providing gain correction information to one of said first or said second plurality of parallel conductors.

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3. (original) A display device as claimed in claim 2 further comprising a non-volatile memory for storing a plurality of values for said cut-off and gain correction information.

4. (original) A display device as claimed in claim 3, further comprising a screen for receiving electron beams modulated by said grid electrode means, the screen having a phosphor coating facing the grid electrode means, the phosphor coating comprising a plurality of pixels each corresponding to a different row or column.

5. (original) A display device as claimed in claim 3, wherein said cut-off and gain correction information is provided to said first plurality of parallel conductors, said gain and cut-off correction information being applied to all of said first plurality of parallel conductors.

6. (original) A display device as claimed in claim 3, wherein said cut-off and gain correction information is chosen so as to compensate for variations in cut-off and gain occurring during warm up.

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7. (original) A display device as claimed in claim 6, further comprising:

anode means disposed between said grid electrode means and said screen for accelerating electrons towards the screen, the anode means comprising a plurality of anodes extending parallel to the column conductors, the anode means comprising pairs of anodes each corresponding to a different column conductor, each pair comprising first and second anodes respectively extending along opposite sides of the corresponding column conductor, the first anodes being interconnected and the second anodes being interconnected; and

means for providing purity correction information across the first and second anodes so as to compensate for variations in purity occurring during warm up.

8. (previously presented) A display device as claimed in claim 6, further comprising temperature sensing means for dynamically determining which of said plurality of values of stored cut-off and gain correction information is to be supplied to a one of said first or said second plurality of parallel conductors based on currently-sensed temperature.

9. (original) A display device as claimed in claim 3, wherein said cut-off correction information is provided to said second plurality of parallel conductors, said cut-off correction information varying according to the physical location of each of said second plurality of parallel conductors.

10. (original) A display device as claimed in claim 3, wherein said gain correction information is provided to said second plurality of parallel conductors, said gain correction information varying according to the physical location of each of said second plurality of parallel conductors.

11. (original) A display device as claimed in claim 3, wherein said cut-off and gain correction information is provided to said first plurality of parallel conductors, said cut-off and gain correction information varying according to the physical location of each of said first plurality of parallel conductors and according to which of said second plurality of parallel conductors is selected.